CAP-ENV-US

The Toughest and Most Reliable Infrared and Ultrasound window

The CAP-ENV-US features a reinforced enviromentally sealed door design while also providing the largest visually clear infrared (IR) transmissive viewing area available on the market today. the CAP-ENV-US also comes equipped with a versatile port for ultra sound inspections is the ideal way to identify electrical faults. Industrial applications require solutions that meet numerous criteria where safety and performance are of the upmost importance.

The exclusive pharmaceutical-grade reinforced polymer system allows any thermography camera to monitor completely undisturbed assets inside energized electrical equipment in the visual, UV and shortwave, midwave and longwave IR spectrums.
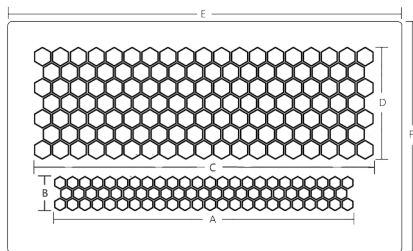
Protected by our unconditional lifetime warranty

Specifications

Materials	
Window Housing	Standard product constructed of Stainless Steel; custom materials available
Optic	UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Gaskets	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)
Hardware	316 stainless steel

Other	
Useful Temperature Rating	-40°C (-40°F) to 200°C (392°F)
Water and Dust Ingress	IP65 / NEMA 4

Dimensions

Model	Ultrasound Area	IR Window Area	Overall Dimensions
CAP-ENV-4	A= 9.4 cm (3.7 in), B= 1.5 cm (0.6 in)	C= 9.7 cm (3.8 in), D= 5.6 cm (2.2 in)	E= 15.24 cm (6 in), F= 15.24 cm (6 in)
CAP-ENV-6	A= 7.6 cm (3 in), B= 2.3 cm (0.9 in)	C= 9.1 cm (3.6 in), D= 9.7 cm (3.8 in)	E= 16 cm (6.3 in), F= 21.8 cm (8.6 in)
CAP-ENV-12	A= 20.3 cm (8 in), B= 2.3 cm (0.9 in)	C= 23.1 cm (9.1 in), D= 7.6 cm (3 in)	E= 30.5 cm (12.0 in), F= 20.6 cm (8.1 in)
CAP-ENV-24	A= 51 cm (20.1 in), B= 2.3 cm (0.9 in)	C= 55.1 cm (21.7 in), D= 7.6 cm (3 in)	E= 61 cm (24.0 in), F= 21.8 cm (8.6 in)

Caution: The dimensions listed above are not installation dimensions. Do NOT cut prior to receiving your IRISS window and installation template.

CAP-ENV-US Feature:

- IP67/ NEMA 6 reinforced enviromentaly sealed lockable cover
- Combined visual, UV and IR window allows for greater flexibility
- Durable, fully impact-resistant, pharmaceutical-grade optics
- Hexagonal grill allowing for Ultrasound inspections to be conducted.
- Fixed And Stable Transmission (FAST)
- Proven compatibility with acids, alkalis, UV, moisture, humidity, vibration and high frequency noise
- Reinforcing grills comply with IP2x standard for safe maximum hole size and fail-safe design
- Customizable; if you don't see what you need in the standard offering you can configure:
    - Housing Materials
    - Gaskets
    - Locking Devices
    - Labeling
    - Color
- Fitting templates and instructions included

Certifications:

- Certified by UL (USA) & cUL (Canada) to the following standards:
    - 50V
    - 50E
    - 746C: Impact and Flammability
    - 1558: Impact and Load Resistance
    - 508A; ANSI 508A
- IEEE C37 20.2.a.3.6: Impact and Load
- IP65 / NEMA 4
- Lloyds of London Type Approval
- CE Marking
- IEC 62271-200 Arc Flash Compliant
- American Bureau of Shipping (ABS)
- IEC 60068-2-6:2007: Vibration Testing
- IEC 60068-2-3 & 60068-2-78:2012: Extreme Humidity Testing
- BSI Quality ISO 9001 Certified System
- CSA C22.2 No. 14-13
- DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications

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